

### Semester Lecture Plan (Practical)

**Name of the college:** Government College of Arts, Science & Commerce, Sanquelim

**Name of Faculty:** Dr Jyosna Gawas

**Subject:** Botany

**Paper code:** BOC 105

**Program/Course:** T.Y.B.Sc.

**Division:** A

**Academic year:** 2024-2025

**Semester:** V

**Total Lectures:** 60

**Course Objectives:** The course will provide a detailed account of morphological terms used in plant systematic that will help students to identify and classify plant families.

**Course Learning Outcome:** On completion of the course students will be able to understand the morphological terms and use them to identify and describe plants. Students will know the economically important plants and locally available plants of the families mentioned in the syllabus.

Week	Date	No. of days/week	Experiment	Exercise/ Assignment	ICT Tool	Reference books
1	2/7/2024	1	General instructions, Types of roots	Journal Completion	-	Taxonomy of Vascular Plants by G. H. M. Lawrence  Plant systematic – Theory and practice by G. Singh
2	9/7/2024	1	Types of stems			
3	18/7/24	1	Vernation, phyllotaxy, leaf incision, leaf surface			
4	25/7/24		Venation types, Shapes, margins and apex types in leaves; Associated outgrowths; Modification of stipules and modification of leaves			
5	1/8/24	1	Kinds of buds, parts of the flower and types of inflorescences			
6	8/8/24	1	Types of fruits, Seed types			
7	17/8/24	1	*Family Annonaceae			
8	22/8/24	1	*Family Capparidaceae, Tiliaceae			
9	29/8/24	1	*Family Brassicaceae, Rutaceae			

10	5/9/24	1	*Family Caesalpiniaceae, Papilionaceae, Mimosaceae			
11	19/9/24	1	*Family Myrtaceae, Cucurbitaceae, Rubiaceae			
12	26/9/24	1	*Family Apocynaceae, Asclepiadaceae, Verbenaceae			
13	3/10/24	1	*Family Amaranthaceae, Moraceae			
14	10/10/24	1	*Family Orchidaceae, Araceae, Arecaceae			
15	17/10/24	1	*Family Musaceae, Commelinaceae, Journal Certification			

\* Depends on the availability of specimens

#### Assessment Rubrics

Component	Max Marks
ISA 1	NA
ISA 2	NA
Practical	50
Project	NA
Semester End Exam	NA